VENTILATOR RELIEF VALVE DIAPHRAGM REPLACEMENT

REPLACEMENT PROCEDURE

NOTE: This procedure shall be performed annualy on all Ascending Bellows.

1. Turn the System Power switch to STANDBY.

2. Cut and remove the tie strap securing the pilot line to the hose barb on the ventilator relief valve. See Figure 1.

NOTE: Some installations may have a right angle fitting at the pilot line connection.

3. Remove the adapter ring that secures the diaphragm assembly to the valve housing assembly.

4. Clean and inspect the diaphragm seat in the valve housing.

5. Install the replacement diaphragm assembly and secure it with the adapter ring.

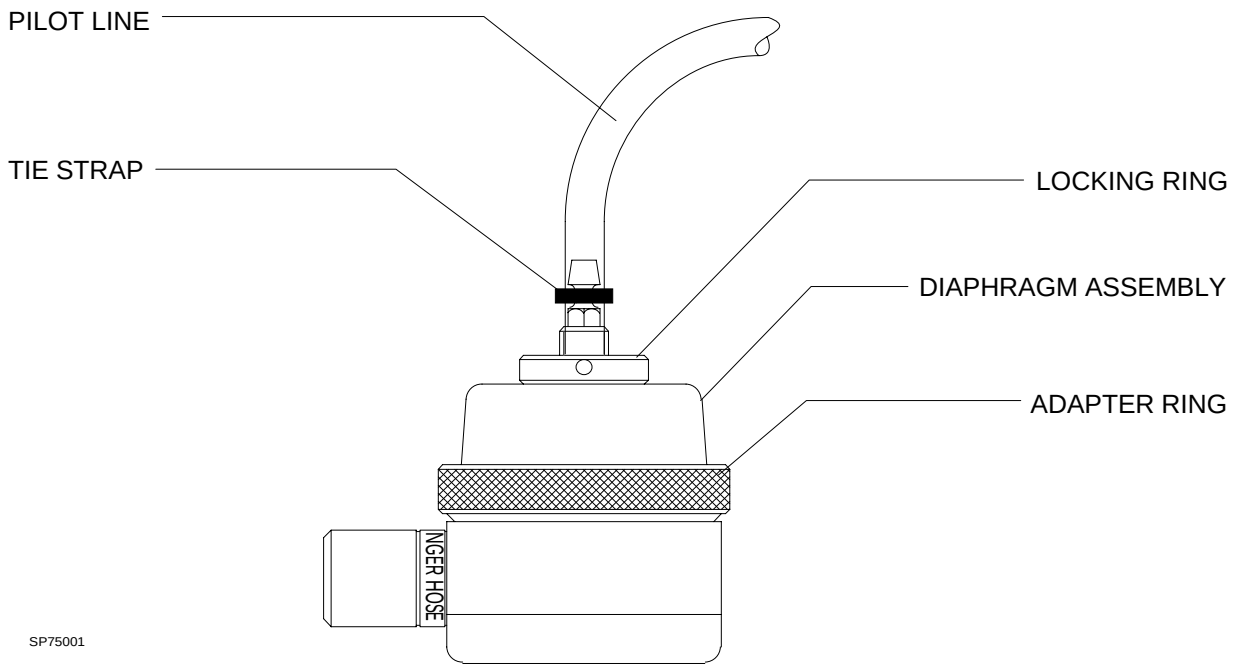

Figure 1: VENTILATOR RELIEF VALVE

REPLACEMENT PROCEDURE (continued)

6. Connect the pilot line to the hose barb and secure it with a new tie strap.

7. Connect the patient breathing circuit with a Dräger Training Thorax to the inspiratory and expiratory valves on the absorber.

8. Turn the System Power switch to ON, and turn the ventilator switch to ON.

9. The PEEP shall be ≤3 cm H_2O with the following settings:

   - 10 l/min. fresh gas flow
   - 10 BPM, 1:3 I/E ratio
   - Medium inspiratory flow
   - 1200 cc tidal volume

10. Adjust the fresh gas flow to 500 ml/min. The tidal volume delivered shall be between 1080 and 1320 cc.

11. If the bellows can not deliver the specified volumes, adjust the relief valve as follows:

12. With a spanner wrench, loosen the locking ring at the top of the diaphragm assembly.

13. Turn the hose barb counter-clockwise to decrease the PEEP, and clockwise to increase the PEEP.

14. Repeat Steps 9 and 10 until the correct PEEP and tidal volume are obtained.

15. Tighten the locking ring on the diaphragm assembly.

North
American
Dräger

Quality Service for Life®

DrägerService℠
3122 Commerce Drive
Telford, PA 18969
(215) 721-5402
(800) 543-5047
(215) 723-5935 Fax

Part Number: SP00075
Rev: B
Date: March 27, 1998
© N.A.D. Inc. 1998